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<b>TRANSMITTAL SLIP</b>		<b>DATE</b>
<b>TO:</b> ① Director, ODP		
ROOM NO. 2D0105		BUILDING Hdqs
DATE 2 DEC 1963		
<b>REMARKS:</b>  ① EXO-12 ② 000 90		
<b>FROM:</b>		
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Central Intelligence Agency  
Washington, D.C. 20505

1 December 1983

Planning Staff

NOTE FOR: Executive Director  
Executive Assistant/Executive Director  
ISB Members


C/IHC/ICS

P&PS/ICS

O/Compt

SUBJECT: AI Symposium

Attached is the official schedule of events  
for the AI Symposium to be held 6, 7, & 8 December.  
It is hoped that you will be able to attend.

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Executive Secretary, ISB

# **ARTIFICIAL INTELLIGENCE SYMPOSIUM**

**"INTELLIGENCE APPLICATIONS OF AI"**

**Sponsored By**

**U.S. INTELLIGENCE COMMUNITY**

**December 6, 7, & 8, 1983**

**MAIN AUDITORIUM  
CIA HEADQUARTERS  
LANGLEY, VA.**

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**By Invitation Only**

Symposium Co-ordinator: SMART SYSTEMS TECHNOLOGY, Inc.  
Specializing in Artificial Intelligence Education and System Implementation

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Program - First Day, Morning Session, Tuesday, December 6, 1983

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Symposium Chairman:

Executive Secretary, AI Steering Group  
Office of Research and Development  
Central Intelligence Agency

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8:30	Dr. Philip K. Eckman Chairman, AI Steering Group Office of Research and Development Central Intelligence Agency	Symposium Objectives
8:45	Dr. Richard D. DeLauer Under Secretary of Defense for Research and Engineering	AI and Defense
9:00	Dr. Patrick H. Winston Professor of Computer Sciences Director, Artificial Intelligence Laboratories MIT	Overview of Artificial Intelligence Research
10:00	Coffee Break	
10:15	Dr. Patrick H. Winston, MIT	Overview of AI Applications
11:00	Industry Panel: Xerox, Apollo, Symbolics, DEC, E-Systems, LMI	Descriptions and Schedule of AI Demonstrations

Program Note: Several computer manufacturers have made AI processors available during the three days of this conference for demonstrations of AI tutorial programs and working AI systems. These will be available during the mid-day breaks and following the afternoon sessions in the Tunnel adjacent to the Auditorium. Schedules of these demos are posted in the Auditorium Lobby. Additional demos may be scheduled by arrangement with the manufacturers' representatives.

12:00 Lunch Break - System Demos in Auditorium Tunnel

Program - First Day, Afternoon Session, Tuesday, December 6, 1983

Session Moderator: Lt. Col. James T. Jones  
Vice Dean  
Defense Intelligence College

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1:30	Dr. Rodney Brooks Assistant Professor Computer Science Department Stanford University	Overview of AI Applications in Computer Vision and Image Understanding
2:30	Coffee Break	
2:45	Dr. Raj Reddy Professor of Computer Science Carnegie-Mellon University Director, The Robotics Institute	Overview of AI Applica- tions in Robotics and Speech Understanding
3:45	Panelists:  Dr. Patrick H. Winston, MIT Dr. Raj Reddy, CMU Dr. Rodney Brooks, Stanford	Current Trends in AI Research
4:15	End First Day Program - System Demos in Auditorium Tunnel	

Program - Second Day, Morning Session, Wednesday, December 7, 1983

Session Moderator: Commander Paul E. Tilson, Jr.  
U. S. Navy

THIS SESSION WILL BE CLASSIFIED SECRET

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8:30	Mr. David Y. McManis National Intelligence Officer/ Warning Central Intelligence Agency	Intelligence Requirements
9:15	Dr. Gian-Carlo Rota Director's Office Fellow Los Alamos National Laboratories Professor of Applied Mathematics and Philosophy MIT	Observations and Specu- lations on the Effect of the Computer on Scientists
10:00	Coffee Break	
10:15	Dr. James Slagle Naval Research Laboratory	"BATTLE" Resource Alloca- tion Project: Expert Advisor for Weapons Allo- cation.
10:45	Dr. Gerald A. Wilson Senior Computer Scientist Advanced Information and Decision Systems	Computer-Based Assistant for Science and Technology Analysis
11:30	Mr. Mark Williams Senior Staff Engineer ESL Inc.	AI in Signal Processing
12:00	Lunch Break - System Demos in Auditorium Tunnel	

Program - Second Day, Afternoon Session, Wednesday, December 7, 1983

Session Moderator:

Image Research Scientist  
Office of Research and Development  
Central Intelligence Agency

THIS SESSION WILL BE CLASSIFIED SECRET

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1:30	Dr. Donald Close Program Manager Hughes Aircraft Company	Image Understanding Project
2:00	Dr. Bobby Hunt Chief Scientist Science Applications, Inc.	AI Applications in Synthetic Aperture Radar Image Inter- pretation
2:30	Coffee Break	
2:45	Mr. John C. Kelly Senior Staff Engineer TRW Defense Systems Group	An Operational Artificial Field Engineer for Tuning A Signal Sorter--The User's Viewpoint
3:30	<div></div> EH/R&AD/DPG/NPIC Central Intelligence Agency	AI Applications in Image Analysis
4:00	End Second Day Program - System Demos in Auditorium Tunnel	

Program - Third Day, Morning Session, Thursday, December 8, 1983

Session Moderator:

Chief Techniques Staff  
National Security Agency

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8:30	Dr. Robert Kahn Director, Information Processing Techniques Office - DARPA	DARPA Strategic Computing Program
9:15	Dr. John A. Robinson Professor of Computer and Information Science Syracuse University	Japan's Fifth-Generation Computing Project: Objec- tives, Status and Prospects
10:00	Mr. John N. McMahon Deputy Director of Central Intelligence Central Intelligence Agency	AI and Intelligence
10:15	Coffee Break	
10:30	Panel: What are the Problems and Requirements for Starting and Maintaining a Government AI Facility?	
	Panelists:	
	Dr. George Lukes, Physical Scientist, Research Institute US Army Engineer Topographic Laboratories	
	Dr. James S. Albus, Chief, Industrial Systems Division National Bureau of Standards	
	Dr. David L. Gifford, Image Research Scientist Office of Research and Development	
	Dr. Jude E. Franklin, Manager, Navy Center for Applied Research in Artificial Intelligence	
	Dr. Northrup Fowler, III, Computer Scientist, Griffiss Air Force Base	
	Mr. David Brown, Assistant Director, Advanced Computer Systems Department, SRI International	
12:00	Lunch Break - System Demos in Auditorium Tunnel	

Program - Third Day Afternoon Session, Thursday, December 8, 1983

Session Moderator:

Chief - Development & Implementation Division  
DIA

1:30 Industry Panel : Why is Private Industry Investing in AI?

Panelists:

Dr. Charles Herzfeld, Vice President and Director of Research  
and Technology, ITT Corporation

Dr. Edward C. Taylor,, Director of Requirement Analysis  
TRW, Defense Systems Group

Mr. Dennis E. O'Connor, Senior Group Manager for Intelligent  
Systems Technologies Group, Digital Equipment Corporation

Dr. Carl Smith, Staff Computer Scientist, Shell Development  
Company

Dr. Floyd Hollister, Senior Member, Technical Staff, Computer  
Science Laboratory, Central Research Laboratories,  
Texas Instruments, Inc.

Dr. Carl Love, Senior Consultant, Corporate Planning,  
Westinghouse Electric Corporation

Dr. Dan Schutzer, Vice President, Citibank

2:30 Coffee Break

2:45 Industry Panel Continues

3:30

Executive Secretary, AI Steering  
Group  
Office of Research and Development  
Central Intelligence Agency

Future Directions for the  
AI Steering Group

4:00 End Third Day Program